

Date: Fri, 11 Nov 94 04:30:54 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: List
Subject: Ham-Space Digest V94 #318
To: Ham-Space

Ham-Space Digest Fri, 11 Nov 94 Volume 94 : Issue 318

Today's Topics:

 Ham Satellite
 Ku Band Satellite Receivers ?
 Proper way to call Mir / Shuttle help needed
 STS-66 Element Set (94314.805)
 Where to get MacSat?
 WISP with KCT ??

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 8 Nov 1994 22:16:49 GMT
From: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Ham Satellite

In article <1994Nov8.151954.2585@arrl.org> zlau@arrl.org (Zack Lau (KH6CP))
writes:

>But, this doesn't quite solve the uplink problem--how people will
>access the satellite with small antennas and low power. The
>satellite receiver is hampered by the warm Earth (ground stations
>get to look at cold sky), so the trick of going to a quiet
>microwave band doesn't quite work.

To give a feel for that, we use 3 meter dishes and 400 watt TWT
amps at Ku Band to just get a sparklie free video picture on a
GE K2 transponder (the most sensitive in our footprint). That's
a hell of an ERP for most amateurs to think about generating.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		emory!kd4nc!ke4zv!gary
534 Shannon Way		Guaranteed!		gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244				

Date: 10 Nov 1994 19:30:16 -0500
From: harold@cc.gatech.edu (Harold C. Forbes)
Subject: Ku Band Satellite Receivers ?

Anyone have a list of commercially available Ku band satellite
receivers?

thanks.

harold

--

FORBES, HAROLD C. N5JCM harold@cc.gatech.edu
Georgia Institute of Technology, Atlanta Georgia, 30332
<http://www.cc.gatech.edu/grads/f/Harold.Forbes/Harold.Forbes.html>
uucp: ...!{allegro,amd,hplabs,seismo,ut-ngp}!gatech!cc!harold

Date: 9 Nov 1994 22:50:05 -0500
From: wdunckell1@aol.com (WDUNCKEL1)
Subject: Proper way to call Mir / Shuttle help needed

In article <39p7qo\$gip@newsbf01.news.aol.com>, tomsunman@aol.com (TOM
SUNMAN) writes:

>My question is, what is the PROPER procedure for calling these craft? Is
>it a regular call (their callsign then "this is" my callsign)? Maybe
>"shuttle atlantis" (or whichever) "this is my callsign"? I want to make
>sure I do it properly.

For Shuttle, just say the phonetics of your callsign. For instance, Kilo
Delta Victor Yanke Victor for me KD6VYV. If they hear you they will
repeat your callsign and give you a reference number. They change
channels between the four randomly. So you won't know what channel they
are listening to even though you hear them on 145.550! They do this to
get rid of the huge pileups they would get if everyone was trying to
transmit on the same freq. Good luck,
Walt

Date: Thu, 10 Nov 1994 21:15:33 GMT
From: elements-request@alsys.com (Shuttle Elements)
Subject: STS-66 Element Set (94314.805)

STS-66
1 23340U 94073A 94314.80545708 .00267769 16725-4 84539-3 0 77
2 23340 56.9949 165.0315 0010404 290.5741 69.4212 15.92652338 1148

Satellite: STS-66
Catalog number: 23340
Epoch time: 94314.80545708 = (10 NOV 94 19:19:51.49 UTC)
Element set: 007
Inclination: 56.9949 deg
RA of node: 165.0315 deg Space Shuttle Flight STS-66
Eccentricity: .0010404 Keplerian element set JSC-007
Arg of perigee: 290.5741 deg from NASA flight Day 8 vector
Mean anomaly: 69.4212 deg
Mean motion: 15.92652338 rev/day Gil Carman
Decay rate: 2.67769e-03 rev/day^2 NASA Johnson Space Center
Epoch rev: 114

This data is also available via the Shuttle Elements Mailing List. For more information about the list and how to subscribe, send a message to with only the command "info elements" in the body of your message to "listserv@alsys.com".

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Gary Morris Internet: garym@alsys.com
Alsys Inc. Packet: KK6YB @ NOARY.#NOCAL.CA.USA.NA
San Diego, CA, USA Phone: +1 619-457-2700 x128 (voice/fax)

Date: Wed, 9 Nov 1994 10:09:04 GMT
From: Sean Sharkey <sean@g0oanint.demon.co.uk>
Subject: Where to get MacSat?

In article <tkreyche-071194113023@tomkreyche.zdlabs.ziff.com>, Tom Kreyche writes:

>
> I've looked all over the net and called Celestial BBS and can't find
> MacSat. Does anyone know where to get it? Also, the apple ftp site

for ham
> radio is completely empty! What's the deal?
>
> Thanks, Tom KG6YJ

Hello Tom,

Try,

ftp.demon.co.uk /pub/ham/mac

you find about 10 meg compressed Mac ham programmes in there including
SatTrack, Orbitrack and MacSPOC.

Any problems or if you need any more info please let me know.

Regards,

Sean.

Date: Sun, 6 Nov 1994 14:57:00
From: n7ryw@teleport.com (William Roth)
Subject: WISP with KCT ??

In article <1994Nov5.141702.18374@iglou.com> rubenc@iglou.iglou.com (Charles A. Rubenstein) writes:

>From: rubenc@iglou.iglou.com (Charles A. Rubenstein)
>Subject: WISP with KCT ??
>Summary: none
>Keywords: none
>Date: Sat, 5 Nov 1994 14:17:02 GMT

>Does anyone have a version of SATELLITE.DLL for WISP that will support
>the Kansas City Tracker?

All versions should support the KCT/T. I have been running this combo for a
long time.

For the newest version of satelite.drv, you can ftp from me at:

ftp.teleport.com/pub/users/n7ryw

I will put it there as a seperate file as soon as I am done with this. You may
want to update other Wisp files, too, as I suspect you have a very old
version. Tell me which versions you have first, as there are some other things

that need to be done depending on the versions you have.

You can find this info from GSC in the Help...About box. Be sure to write down all of the program names and versions.

Mail the info to me at n7ryw@teleport.com

Date: 10 Nov 1994 20:45:38 GMT
From: aranders@kosepc01.delcoelect.com (Alan Anderson)

References<HERMIT.94Nov3104334@am.ucsc.edu> <n7ryw.37.000FCC1B@teleport.com>,
<784172466snz@myth.demon.co.uk>
Reply-To: aranders@kosepc01.delcoelect.com (Alan Anderson)
Subject: Re: Wanted: Info on geeking at sea via satellite

zeus@myth.demon.co.uk (Mike Cowgill) writes:
>Two way data via Inmarsat is *very* expensive. We are talking around \$/KB
>[...]There is a company that do broadcast UseNet (at 1200bps compressed)
>via satellite but I can't remember their name :-(. They do have a couple of
>newsgroups though if you fancy a trawl through the big list.

You're probably referring to Pagesat. Try the biz.pagesat newsgroup.

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Alan Anderson .-- -... ----. .-. ..- ..- | Ignorance can be fixed,
(I speak AT, not FOR, Delco Electronics) | but stupidity is permanent.

End of Ham-Space Digest V94 #318
